AUTODOC CLUB

How to change rear shock absorbers on **Mercedes W211** – replacement guide

VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI, MERCEDES-BENZ E-Class Saloon (W211) E 320 (211.065), MERCEDES-BENZ E-Class Saloon (W211) E 500 (211.070), MERCEDES-BENZ E-Class Saloon (W211) E 240 (211.061), MERCEDES-BENZ E-Class Saloon (W211) E 220 CDI (211.006), MERCEDES-BENZ E-Class Saloon (W211) E 270 CDI (211.016), MERCEDES-BENZ E-Class Saloon (W211) E 200 CDI (211.004), MERCEDES-BENZ E-Class Saloon (W211) E 55 AMG Kompressor (211.076), MERCEDES-BENZ E-Class Saloon (W211) E 200 Kompressor (211.042), MERCEDES-BENZ E-Class Saloon (W211) E 320 CDI (211.026), MERCEDES-BENZ E-Class Saloon (W211) E 400 CDI (211.028), MERCEDES-BENZ E-Class Saloon (W211) E 200 NGT (211.041), MERCEDES-BENZ E-Class Saloon (W211) E 280 CDI (211.023), MERCEDES-BENZ E-Class Saloon (W211) E 280 (211.054), MERCEDES-BENZ E-Class Saloon (W211) E 350 (211.056), (+ 11)

The steps may slightly vary depending on the car design.

REPLACEMENT: SHOCK ABSORBERS – MERCEDES W211. TOOLS YOU NEED:

- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #17
- Drive socket # 18
- Torx bit T20
- Shock absorber socket #DD6
- Wheel impact socket #17
- Ratchet wrench
- Clip removal tool
- Hydraulic transmission jack
- Crow bar
- Flat Screwdriver
- Wheel chock

BUY TOOLS

Replacement: shock absorbers – Mercedes W211. AUTODOC experts recommend:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- Please note: all work on the car – Mercedes W211 – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

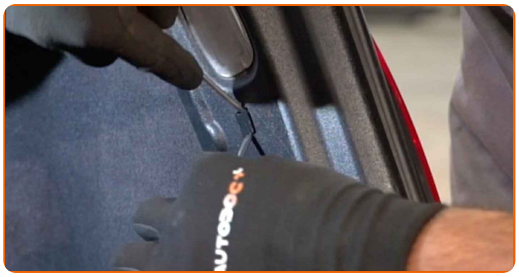
1 Open the boot lid.

2 Unscrew the fastener of the boot side lining. Use a clip removal tool. Use Torx T20. Use a ratchet wrench.

3 Remove the clips of the boot side lining. Use a clip removal tool.

4 Remove the boot front lower lining.

5 Remove the clips from the plastic side panel. Use a flat screwdriver (2 pieces).

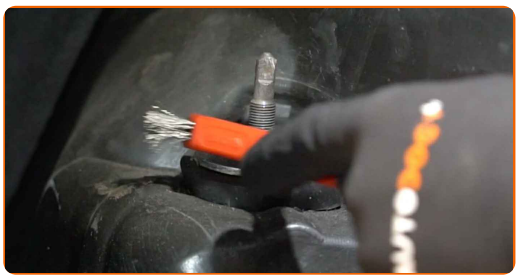


6 Detach the bulb connector.

7 Remove the side plastic cover.

8 Remove the boot side lining.

9 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



10 Unscrew the upper fastener of the shock absorber. Use a combination spanner #17. Use a shock absorber socket #DD6. Use a ratchet wrench.

11 Secure the wheels with chocks.

12 Loosen the wheel mounting bolts. Use wheel impact socket #17.

13 Raise the rear of the car and secure on supports.

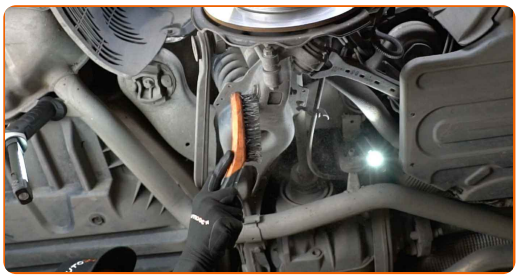
14 Unscrew the wheel bolts.

AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. Mercedes W211

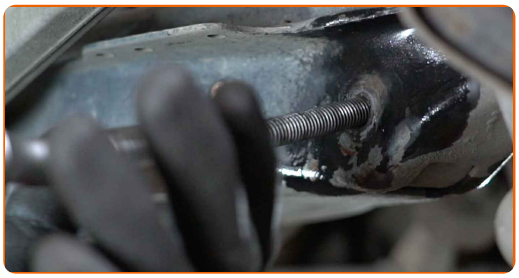
15 Remove the wheel.

16 Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



17 Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #18. Use a ratchet wrench.

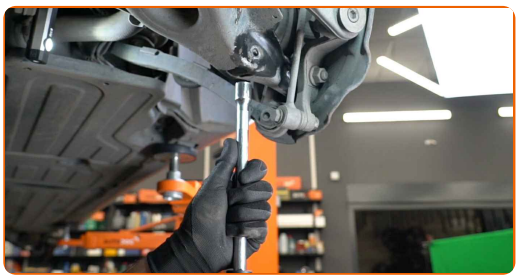
18 Remove the fastening bolt.



AUTODOC recommends:

- Mercedes W211 – To avoid injury, hold the shock absorber while unscrewing the fastening bolts.

19 Support the shock absorber. Use a hydraulic transmission jack.

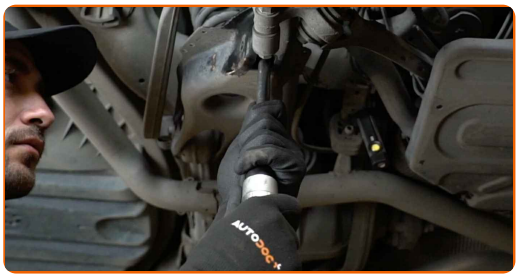


20 Remove the shock absorber. Use a crowbar.

AUTODOC recommends:

- Replacement: shock absorbers – Mercedes W211. Carefully inspect the mount, the boot, and the bump stop of the shock absorber. Replace if necessary.

21 Remove the hydraulic transmission jack.



AUTODOC recommends:

- Replacement: shock absorbers – Mercedes W211. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

22 Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.

Replacement: shock absorbers – Mercedes W211. Tip from AUTODOC experts:

- Before installing a new shock absorber you should pump it manually 3-5 times.

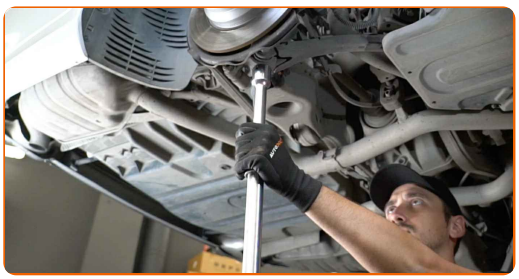
23 Place the shock absorber in the wheel arch and secure it.

AUTODOC recommends:

- Mercedes W211 – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

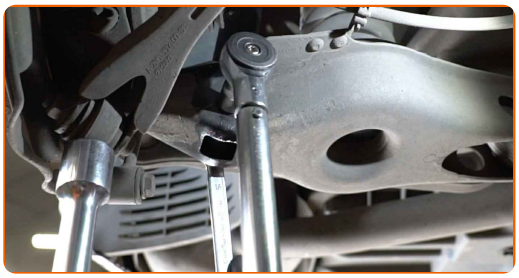
24 Install the fastening bolt.

25 Support the control arm. Use a hydraulic transmission jack.



26 Screw in the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #18. Use a ratchet wrench.

27 Tighten the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #18. Use a torque wrench. Tighten it to 55 Nm torque.

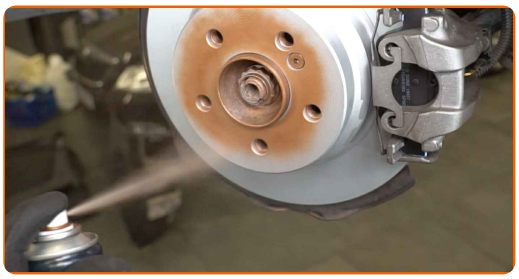


28 Remove the support from under the control arm.

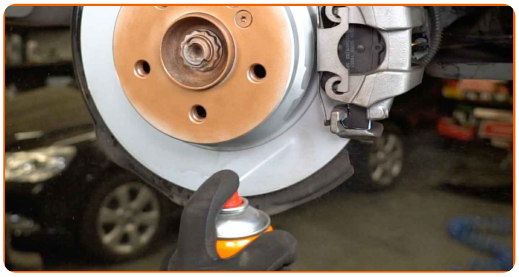
AUTODOC recommends:

- Replacement: shock absorbers – Mercedes W211. Lower the transmission jack smoothly, without jerks, to avoid damaging components and mechanisms.

29 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



30 Clean the brake disk surface. Use a brake cleaner.



AUTODOC recommends:

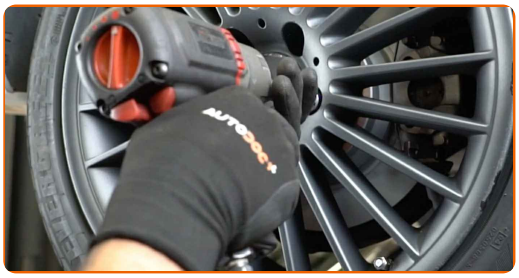
- Replacement: shock absorbers – Mercedes W211. After applying the spray, wait a few minutes.

31 Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. Mercedes W211

32 Screw in the wheel bolts. Use wheel impact socket #17.

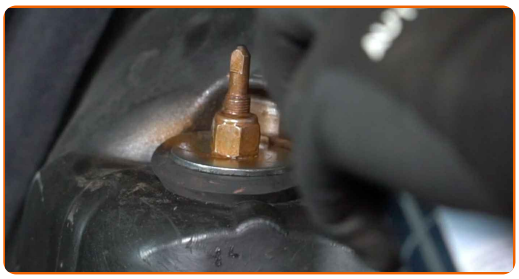


33 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 130 Nm torque.

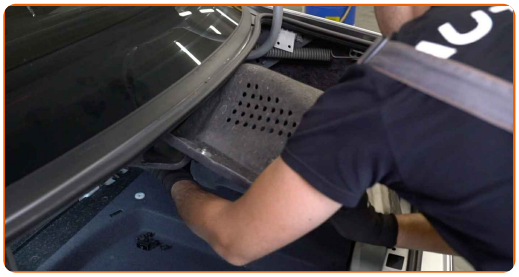
34 Remove the jacks and chocks.

35 Tighten the top shock absorber fastening. Use a combination spanner #17. Use a shock absorber socket DDN°6. Use a torque wrench. Tighten it to 20 Nm torque.

36 Treat the shock absorber fasteners. Use copper grease.



37 Attach the side lining of the boot.



38 Install the clips of the boot side lining.

39 Screw in the fastener of the boot side lining. Use Torx T20. Use a ratchet wrench.

40 Attach the bulb connector.

41 Install the side plastic panel.

42 Reinstall the clips of the plastic side panel.

43 Install the boot front lower lining.

44 Close the lid of the luggage compartment.

WELL DONE!

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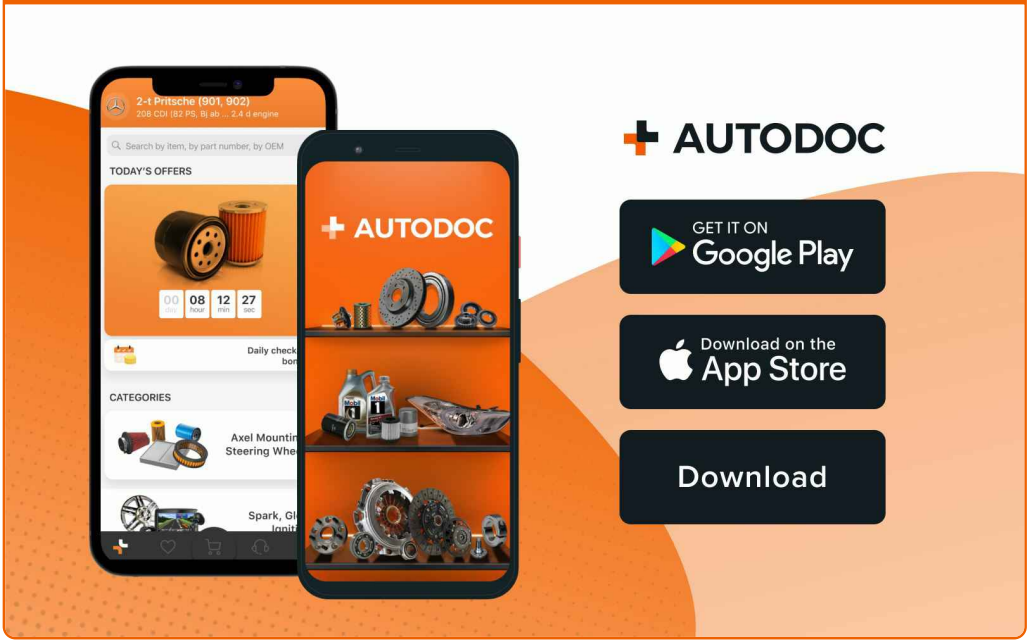

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